



Information Technology Intern Chesapeake Research Consortium-NOAA Chesapeake Bay Office



Project Description

The Chesapeake Research Consortium and the NOAA Chesapeake Bay Office (NCBO) seek a summer intern for the period of late May through mid- to late August 2014 (12 weeks). The intern will support the Information Technology aspects of the Chesapeake Bay Interpretive Buoy System (CBIBS, buoybay.noaa.gov).

The intern will primarily work on the development of a web based CBIBS Dashboard. The dashboard is intended to provide field support staff with a visual status of the system's sensors based on established measurement limits. The dashboard will serve as the primary source of sensor status, allowing for a faster response time to potential failures. Time permitting; the intern will enable the Dashboard as a mobile application for internal use on Android and iPhone platforms.

Opportunities

This internship provides an opportunity to learn about and contribute to the study of water quality in the largest estuary in North America. The intern will gain a strong background in the delivery of cutting-edge remote sensing data, diverse water-quality parameters, and NOAA products and services. The intern will work alongside and establish connections with NOAA staff as well as a variety of NOAA partners, with potential for diverse networking opportunities and future career development.

Deliverables

- Hands-on knowledge of the development and maintenance of mobile applications in the Android and Apple development environments
- Experience with web-based quality control and validation techniques
- Opportunities to contribute to product and application development
- Experience working in the field to develop an understanding of the buoy technology
- Presentation to NCBO staff at the conclusion of the internship summarizing work conducted

Requirements

- Motivated self-starter with ability to work independently
- Interest and/or background in application development with experience in HTML, javascript, and JAVA
- Must be a college-level student entering junior or senior year of undergraduate study

Work Location and Duration

This internship will be stationed out of the NOAA Chesapeake Bay Office in Annapolis, Maryland. The position will begin in mid-May and conclude in mid-August (12 weeks). Computer and phone services will be provided.

Compensation

The intern will be reimbursed at the end of each month, for a total of up to \$4,000 for the equivalent of 12 weeks of full-time activities (480 hours). Funds are available to compensate interns for occasionally required work-related travel. Candidates should expect to follow a normal weekday work schedule (roughly 9-5, M-F) with occasional variations for possible field work or other activities. No benefits are provided. A small housing stipend is available for those needing it, and we offer assistance in arranging local housing.

Application Instructions

Please email a short cover letter, résumé, and two references (phone numbers and e-mails) to Dave Jasinski: djasinsk@gmail.com, by February 21, 2014. Please be sure to indicate the position you are seeking in your cover letter.